We Claim:

1. A recombinant expression construct comprising a nucleotide sequence encoding a mammalian lysosomal enzyme and a promoter that regulates the expression of the nucleotide sequence in a plant cell.

2. A recombinant expression construct as set forth in claim 1, wherein said recombinant expression construct is a recombinant viral expression construct.

3. The recombinant expression construct as set forth in claim 1, wherein the lysosomal enzyme is alpha galactosidase.

4. The recombinant expression construct as set forth in claim 2, wherein the lysosomal enzyme is alpha galactosidase.

5. The recombinant expression construct as set forth in claim 1, wherein the mammalian lysosomal enzyme is a human lysosomal enzyme.

6. The recombinant expression construct as set forth in claim 2, wherein the mammalian lysosomal enzyme is a human lysosomal enzyme.

7. A method for producing a lysosomal enzyme which is enzymatically active, comprising the steps of:

making a (+) sense single stranded RNA plant viral vector that includes a recombinant expression construct having a nucleotide sequence encoding a mammalian lysosomal enzyme and a promoter that regulates the expression of the nucleotide sequence in a plant cell;

transfecting a plant cell or plant with said viral vector and allowing said viral vector to express human lysosomal enzyme in the plant cell or plant; and

extracting the human lysosomal enzyme from the plant or plant cell.

8. A method for producing a lysosomal enzyme which is enzymatically active, comprising:

recovering the lysosomal enzyme from (i) a plant cell or (ii) a cell, tissue or organ of a plant, which plant cell or plant is transfected with a recombinant (+) sense single stranded RNA plant viral expression construct comprising a nucleotide sequence encoding the lysosomal enzyme and a promoter that regulates expression of the nucleotide sequence so that the lysosomal enzyme is expressed by the plant cell or plant.

9. The method according to claim 8, in which the plant is a tobacco plant.

10. The method according to claim 8, in which the lysosomal enzyme is a human lysosomal enzyme.

11. The method according to claim 10, in which the lysosomal enzyme is an esterase, acylase .alpha.-N-acetylgalactosaminidase, acid lipase, .alpha.-galactosidase, .alpha.-L-iduronidase, iduronate sulfatase, .alpha.-mannosidase or sialidase.

12. The method according to claim 8 in which the lysosomal enzyme is a human .alpha.-galactosidase.

13. A recombinant plant viral expression construct comprising a nucleotide sequence encoding a human lysosomal enzyme and a promoter that regulates the expression of the nucleotide sequence in a plant cell.

14. The recombinant plant viral expression construct of claim 13 in which the human lysosomal enzyme is an esterase, .alpha.-N-acetylgalactosaminidase, acid lipase, .alpha.-galactosidase, iduronate sulfatase, .alpha.-mannosidase or sialidase.

15. A plant which is transfected with the recombinant plant viral expression construct of claim 13.

16. A plant cell, tissue or organ which is transfected with the recombinant plant viral expression construct of claim 13.

17. The plant or plant cell of claim 16, in which the lysosomal enzyme is an esterase, .alpha.-N-acetylgalactosaminidase, acid lipase, .alpha.-galactosidase, iduronate sulfatase, .alpha.-mannosidase or sialidase.